

Claims

1. An ostomy device (1) comprising a collecting bag (2) and a base plate (3) with an adhesive plate (4) for being fastened on the user, said base plate
 5 having an opening (5) for receiving an ostomy, said base plate (3) further comprising a first flange (7) for repeated and removable adhesive connection to a coupling element (8) on the collecting bag, said first flange (7) being manufactured from a material with a first tensile strength, said coupling element comprising a second flange (9) manufactured from a material with a
 10 second tensile strength, said adhesive connection being provided by at least one layer of an adhesive (13), characterised in that the device comprises a further flexible layer (10) placed between the adhesive and the flange with the tensile strength being the lowest, and said flexible layer having a yield strength exceeding the adhesive strength of the adhesive (13).
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2. An ostomy device according to claim 1, wherein a connecting strength between the flexible layer (10) and the flange with the lowest tensile strength exceeds the adhesive strength of the adhesive.
- 20 3. An ostomy device according to any one of the preceding claims, wherein the yield strength of the flexible layer (10) is in the same order of magnitude as the yield strength of the flange having the largest tensile strength.
4. An ostomy device according to any one of the preceding claims, wherein
 25 the modulus of elasticity of the flexible layer (10) is substantially larger than the modulus of elasticity of the material of the flange with the lowest tensile strength.
5. An ostomy device according to any one of the preceding claims, wherein
 30 the adhesive connection is provided by an adhesive layer (13) on the flexible layer (10), said flexible layer (10) being placed on the coupling element (8) of the collecting bag.

6. An ostomy device according to any one of the preceding claims wherein the flexible layer (10) comprises a double-coated adhesive film.
7. An ostomy device according to any one of the preceding claims wherein the first flange (7) is manufactured from an elastic material and has a tensile strength that is larger than the tensile strength of the material of the second flange (9).
8. An ostomy device according to any one of the preceding claims wherein the modulus of elasticity of the material of the first flange (7) exceeds the modulus of elasticity of the material of the second flange (9).
9. An ostomy collecting bag (2) comprising a coupling element (8) that comprises a second flange (9) for removable and adhesive connection to a first flange (7) on a base plate (3) and for being fastened on a user, said first flange being manufactured from a material with a first tensile strength, said second flange (9) being manufactured from a material with a second tensile strength, said adhesive connection being provided by at least one layer of an adhesive (13) characterised in that the coupling element (8) comprises a further flexible layer (10) placed between the adhesive and the flange with the tensile strength being the lowest, said flexible layer having a yield strength exceeding the adhesive strength of the adhesive (13).
10. Use of an ostomy collecting bag according to claim 9 for an ostomy device according to claims 1-8